

Figure 1

[SEQ ID No. 1]

MGPNDHGAYILIFLLSPPTHANRDANRLFEDLIADYNKLVRPVSE47

NGETLVVTFKLKLSQLLDVHEKNQIMTTNVWLQHSWMDYKLRWDPVE94

Loop A  
YGGVEVLYVPSDTIWLPDVVLYNNADGNYQVTIMTKLKLTYNGTvwE141

APPAlYKSMCQIDVEFFPDRQQCEMKFGSWTYGGLEVDLQHRDKHL188

EKEIEEDVEGVDGPTKEIVWWVWRGIDLSDYYPSEWDILNVPGKRH235

Loop C   TM1  
SKRYPCCESPFIDITYEIHLRRKTLFYTVNLIPPSVGISFLTALVFY282

TM2  
LPSDGGEKISLCISILISLTFFLLLVEIIIPSTSLVIPLIGKYLLFT329

TM3  
MVLVTLSVVVTVVTLNVHYRSPTTHMPKWMKPLFVDFLPKYLLMTR376

PQPPGHHSKPNRKFDSPASTFSIGVNHVLGQNSELLSPGLNSNREES423

TM4  
SFTLPRDNPVRSAVESVAYIADHLKNEEDDKQVIEDWKYISVVMR470

IFLITFTFACAFGTVIIARAPSIYDNTPALA

502

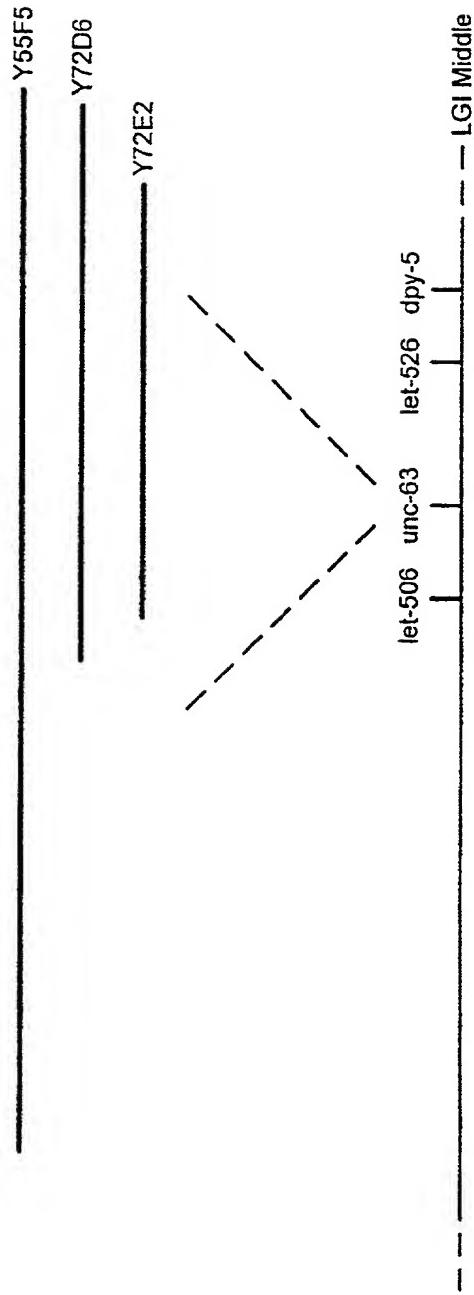


FIG. 2

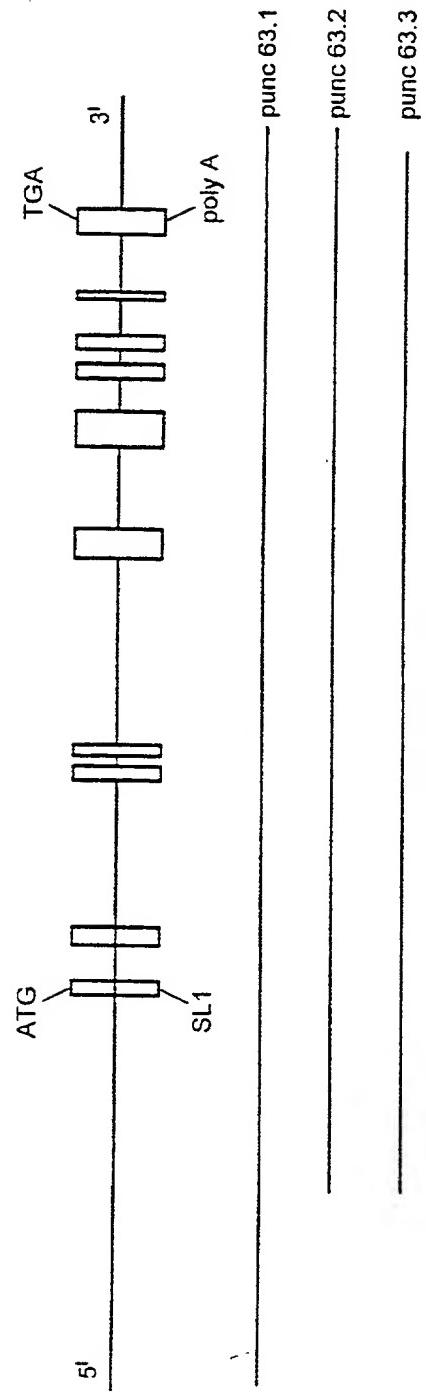


FIG. 3

(A)

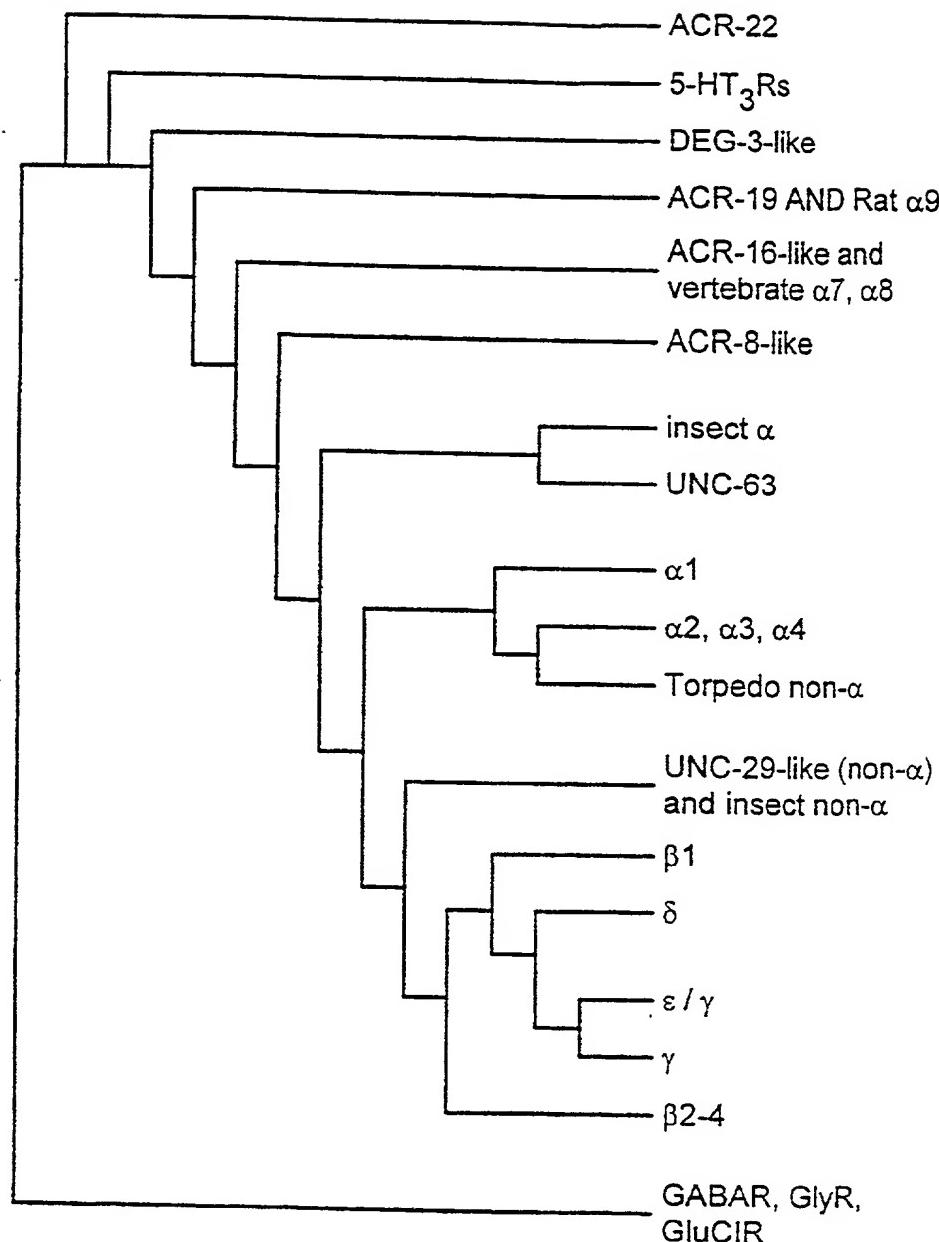


FIG. 4

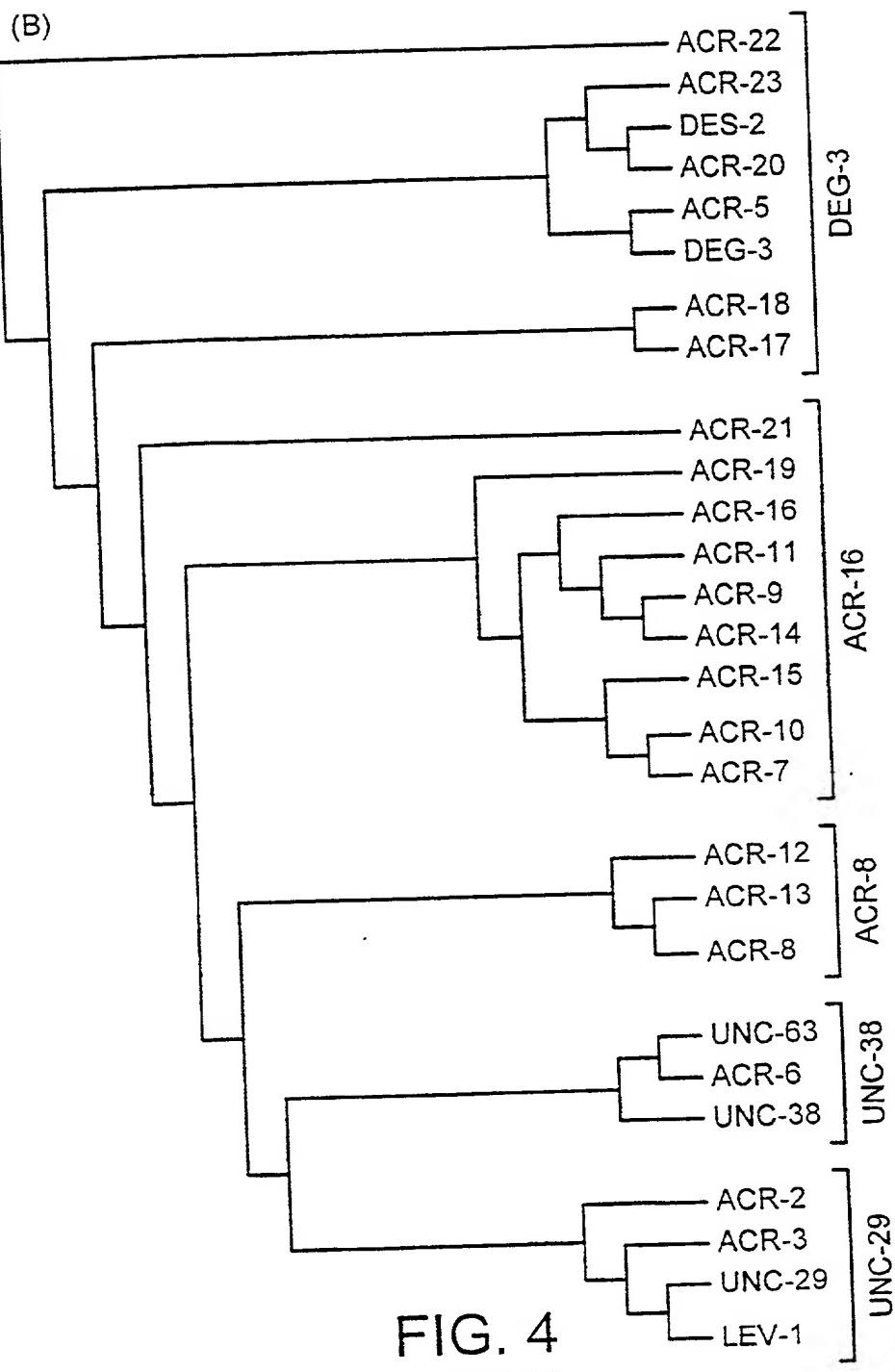


FIG. 4

CONTINUED

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UINC-63 : MGPN ----- DILGFAVITLFLQLSPPHIANRD  
UINC-38 : MRF ----- LFLFLLLFCISFIKLEGND  
LEV-1 : MLLGGGGGCAGGT  
UINC-29 : MRTN ----- RLSW

UNC-63 : INT ED VULINNADEN QYTI TAKALITYNGT VE MAPPA YKE COIDVE JEPED PROXEME FEGMT UGGLEVDI QURDKULE KE LEED VEGVDGPT  
UNC-38 : INT ED VULINNADEN NYNITISTKATHYTGE TNE EPA LERS COIDVE JEPED PROXEME FEGMT UGGLEVDI QURDKULE KE LEED VEGVDGPT  
LEV-1 : INT ED VULINNADEN NYNITISTKATHYTGE TNE EPA LERS COIDVE JEPED PROXEME FEGMT UGGLEVDI QURDKULE KE LEED VEGVDGPT  
UNC-29 : INT ED VULINNADEN NYNITISTKATHYTGE TNE EPA LERS COIDVE JEPED PROXEME FEGMT UGGLEVDI QURDKULE KE LEED VEGVDGPT

UNC-63 : I<sup>N</sup>V<sup>F</sup>GKRSI<sup>T</sup>YP-CC-ESPFD<sup>I</sup>TYEINHAKR<sup>L</sup>EYTVN<sup>E</sup>IEP<sup>S</sup>GISEF<sup>I</sup>ATLVEV<sup>L</sup>P<sup>S</sup>GKEKISPC<sup>I</sup>S<sup>D</sup>LT<sup>I</sup>ELV<sup>E</sup>PL<sup>S</sup>LV<sup>E</sup>PL  
 UNC-38 : M<sup>R</sup>V<sup>F</sup>KRRA<sup>N</sup>YPSCCPQSAYIDVTYXQLQRR<sup>M</sup>L<sup>F</sup>Y<sup>T</sup>VNL<sup>V</sup>IEPGC<sup>I</sup>S<sup>F</sup>ITLVE<sup>V</sup>H<sup>P</sup>SD<sup>I</sup>CEKV<sup>T</sup>C<sup>I</sup>S<sup>D</sup>LT<sup>I</sup>ELV<sup>E</sup>PL<sup>S</sup>LV<sup>E</sup>PL  
 LEV-1 : I<sup>D</sup>G<sup>I</sup>V<sup>F</sup>Q<sup>R</sup>U<sup>R</sup><sup>I</sup>SR<sup>-</sup>---<sup>-</sup>EFQ<sup>R</sup>U<sup>R</sup><sup>I</sup>SR<sup>-</sup>---<sup>-</sup>EFQ<sup>R</sup>U<sup>R</sup><sup>I</sup>SR<sup>-</sup>---<sup>-</sup>EFQ<sup>R</sup>U<sup>R</sup><sup>I</sup>SR<sup>-</sup>---<sup>-</sup>EFQ<sup>R</sup>U<sup>R</sup><sup>I</sup>SR<sup>-</sup>---<sup>-</sup>  
 UNC-29 : IDV<sup>F</sup>SLV<sup>N</sup>K<sup>R</sup>SR<sup>-</sup>---<sup>-</sup>

SEQ ID No. 1	SEQ ID No. 2	SEQ ID No. 3	SEQ ID No. 4
UNC-6.3 : VIEDWKRITISVMDRIEITTFCACTVVV	-----DINTPA[PA]-----	-----: 502	
UNC-3.8 : IDEDWKRTIATVYDRLFLILGICFVCHV	INPISF-----	-----: 513	
LEV-1 : FRDDWKRITASVMDRFIUYGGFGTIVGCT	DTRQPIDLQXRSPANLS	-----: 507	
UNC-2.9 : FRDDWKRITASVMDRFIUYGGFGTIVGCT	NDTVLGIF-----	-----: 493	
	-----: 500	-----: 501	-----: 494
	-----: 502	-----: 503	-----: 495
	-----: 504	-----: 505	-----: 496
	-----: 506	-----: 507	-----: 497
	-----: 508	-----: 509	-----: 498
	-----: 510	-----: 511	-----: 499
	-----: 512	-----: 513	-----: 500

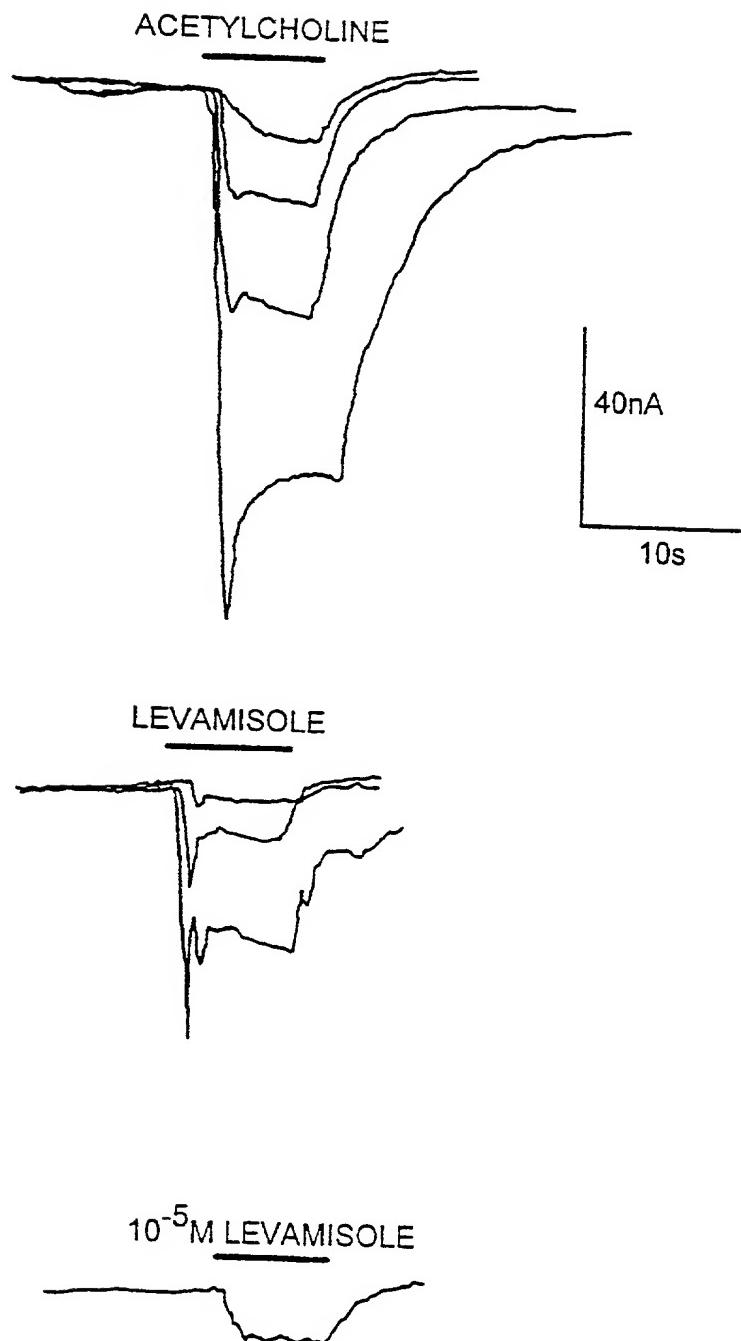


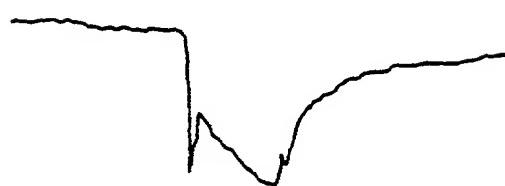
FIG. 6

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$10^{-6}$  M MECAMYLAMINE  
+  $10^{-5}$  M LEVAMISOLE



$3 \times 10^{-5}$  M LEVAMISOLE



UNC-63 LEV-1 UNC-29

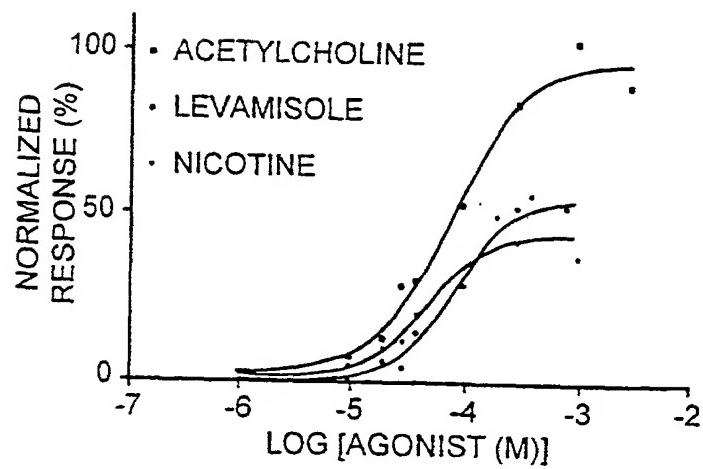


FIG. 6  
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